

Connecting Xiaomi Router to China Mobile Fiber Optic Cable



AI Overview

To connect a Xiaomi router to China Mobile fiber optic service, you need an ONT, an Ethernet cable, and proper router configuration. Required Equipment Optical Network Terminal (ONT): Provided by China Mobile, this device converts the fiber optic signal into an Ethernet signal compatible with your router. Xiaomi Router: Ensure it has a WAN port for Ethernet input. Ethernet Cable: Typically Cat5e or Cat6 to connect the ONT to the router. Fiber Optic Cable: Supplied by China Mobile, usually with SC/APC or SC/UPC connectors. Power Adapters: For both the ONT and the Xiaomi router.

Step-by-Step Connection

- Install the ONT: Locate the fiber optic wall outlet from China Mobile. Connect the fiber optic cable from the wall outlet to the ONT's fiber port.
- Power on the ONT and wait for the status lights to stabilize (usually 2-5 minutes).
- Connect the ONT to the Xiaomi Router: Use an Ethernet cable to connect the ONT's LAN port to the WAN port on your Xiaomi router.
- Power on the router and wait for the indicator lights to confirm a connection.
- Configure the Xiaomi Router: Connect a computer or mobile device to the router via Wi-Fi or LAN. Access the router's web interface (usually at 192.168.31.1) or via the Xiaomi Mi Wi-Fi app. Set the WAN connection type according to China Mobile's requirements (often PPPoE). Enter the username and password provided by China Mobile. Save settings and reboot the router if necessary.
- Verify Internet Access: Check the router's status page to ensure it shows an active internet connection. Test connectivity on a device to confirm proper setup.

Tips and Troubleshooting

- Ensure the fiber connector is fully seated in the ONT to avoid signal loss.
- If the Xiaomi router does not have a fiber port, the ONT must always be used as a bridge.
- Update the router firmware to the latest version for optimal performance.
- For multi-gigabit setups, use Cat6a or higher Ethernet cables to maintain...

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Plug one end of the network cable into either of the router's ports and the other end into the Internet wall socket or the LAN port of an optical modem or ADSL modem.

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